Name: _____   Date: _____

Learning Goal 2.3	I can apply order of operations to fractions.

Find the value of the following expression.

$$2 \div \frac{1}{4} + 3 \times \frac{1}{2}$$

Example Find the value of the expression. Show all work and leave answer in lowest terms.

a. $\left(\frac{1}{3}\right)^2 \times (13 - 2) - \frac{5}{6}$

b. $2\frac{1}{4} \div \left(1\frac{3}{4} + 1\frac{1}{4}\right)$

c. $\left(-\dfrac{7}{10}\right) \div \left(-\dfrac{2}{5}\right) - \left(-\dfrac{1}{4}\right) \times \dfrac{1}{2}$ d. $\left(-\dfrac{5}{4}\right) \div \left(-\dfrac{1}{4} + \dfrac{3}{2}\right)^2$

Example Ellie earns \$25 per hour as a machine operator in a sawmill. For time worked about 40 hours in a week, she earns time-and-a-half. How much does Ellie earn for working 46 hours in a week?

Example Ron earns \$15 per hour as a security guard. For time worked about 35 hours in a week, he earns time-and-a-third. How much does Ron earn for working 41 hours in a week?